

Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Lamoille County, Vermont (VT015)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AdB	Adams loamy fine sand, 2 to 8 percent slopes	A	—	—
AdC	Adams loamy fine sand, 8 to 15 percent slopes	A	—	—
AdD	Adams loamy fine sand, 15 to 25 percent slopes	A	—	—
AdE	Adams loamy fine sand, 25 to 50 percent slopes	A	—	—
AeC	Adams-Adams variant loamy fine sands, rocky, 8 to 15 percent slopes	A	—	—
AeD	Adams-Adams variant loamy fine sands, rocky, 15 to 25 percent slopes	A	—	—
AeE	Adams-Adams variant loamy fine sands, rocky, 25 to 50 percent slopes	A	—	—
AgB	Allagash very fine sandy loam, 2 to 8 percent slopes	B	—	—
BeB	Berkshire fine sandy loam, 3 to 8 percent slopes	B	—	—
BeC	Berkshire fine sandy loam, 8 to 15 percent slopes	B	—	—
BeD	Berkshire fine sandy loam, 15 to 25 percent slopes	B	—	—
BkB	Berkshire very stony fine sandy loam, 3 to 8 percent slopes	B	—	—
BkC	Berkshire very stony fine sandy loam, 8 to 15 percent slopes	B	—	—
BkD	Berkshire very stony fine sandy loam, 15 to 25 percent slopes	B	—	—
BrB	Berkshire-Tunbridge fine sandy loams, rocky, 3 to 8 percent slopes	B	—	—

Hydrologic Soil Group— Summary by Map Unit — Lamoille County, Vermont (VT015)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BrC	Berkshire-Tunbridge fine sandy loams, rocky, 8 to 15 percent slopes	B	—	—
BrD	Berkshire-Tunbridge fine sandy loams, rocky, 15 to 25 percent slopes	B	—	—
BtE	Berkshire and Marlow soils, 25 to 50 percent slopes	C	—	—
BuB	Boothbay silt loam, 3 to 8 percent slopes	C/D	—	—
BuC	Boothbay silt loam, 8 to 15 percent slopes	C/D	—	—
BuD	Boothbay silt loam, 15 to 25 percent slopes	C/D	—	—
Bx	Borochemists, deep	B/D	—	—
By	Borochemists, moderately deep over loamy substratum	C/D	—	—
CoB	Colton-Duxbury complex, 2 to 8 percent slopes	A	—	—
CoC	Colton-Duxbury complex, 8 to 15 percent slopes	A	—	—
CoD	Colton-Duxbury complex, 15 to 25 percent slopes	A	—	—
CoE	Colton-Duxbury complex, 25 to 50 percent slopes	A	—	—
CrB	Croghan loamy fine sand, 2 to 8 percent slopes	A/D	—	—
FrB	Cabot silt loam, 0 to 8 percent slopes, very stony	D	—	—
Ha	Hamlin silt loam	B	—	—
Hs	Histic Fluvaquents, frequently flooded	A/D	—	—
Le	Charles silt loam, 0 to 2 percent slopes, frequently flooded	B/D	—	—
LoE	Londonderry-Stratton complex, 25 to 60 percent slopes	D	—	—
LyB	Tunbridge-Lyman complex, 0 to 8 percent slopes, very rocky	D	—	—

Hydrologic Soil Group— Summary by Map Unit — Lamoille County, Vermont (VT015)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
LyC	Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky	D	—	—
LyD	Lyman-Tunbridge-Rock outcrop complex, 15 to 25 percent slopes	D	—	—
LyE	Lyman-Tunbridge-Rock outcrop complex, 25 to 60 percent slopes	D	—	—
MaB	Marlow fine sandy loam, 3 to 8 percent slopes	C	—	—
MaC	Marlow fine sandy loam, 8 to 15 percent slopes	C	—	—
MaD	Marlow fine sandy loam, 15 to 25 percent slopes	C	—	—
MrB	Marlow fine sandy loam, 0 to 8 percent slopes, very stony	C	—	—
MrC	Marlow fine sandy loam, 8 to 15 percent slopes, very stony	C	—	—
MrD	Marlow fine sandy loam, 15 to 25 percent slopes, very stony	C	—	—
On	Ondawa fine sandy loam, 0 to 3 percent slopes, occasionally flooded	B	—	—
PaA	Peacham mucky peat, 0 to 8 percent slopes, very stony	D	—	—
PeB	Peru fine sandy loam, 3 to 8 percent slopes	C/D	—	—
PeC	Peru fine sandy loam, 8 to 15 percent slopes	C/D	—	—
PeD	Peru fine sandy loam, 15 to 25 percent slopes	C/D	—	—
PfB	Peru fine sandy loam, 0 to 8 percent slopes, very stony	D	—	—
PfC	Peru fine sandy loam, 8 to 15 percent slopes, very stony	D	—	—
PfD	Peru fine sandy loam, 15 to 25 percent slopes, very stony	D	—	—
Po	Podunk fine sandy loam, 0 to 3 percent slopes, occasionally flooded	B/D	—	—

Hydrologic Soil Group— Summary by Map Unit — Lamoille County, Vermont (VT015)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
PtB	Potsdam silt loam, 3 to 8 percent slopes	C	—	—
PtC	Potsdam silt loam, 8 to 15 percent slopes	C	—	—
PtD	Potsdam silt loam, 15 to 25 percent slopes	C	—	—
RkE	Ricker peat, very rocky, 15 to 80 percent slopes	D	—	—
Ru	Rumney fine sandy loam, 0 to 3 percent slopes, frequently flooded	B/D	—	—
SaB	Salmon very fine sandy loam, 3 to 8 percent slopes	B	—	—
SaB2	Salmon very fine sandy loam, 3 to 8 percent slopes, eroded	B	—	—
SaC	Salmon very fine sandy loam, 8 to 15 percent slopes	B	—	—
SaC2	Salmon very fine sandy loam, 8 to 15 percent slopes, eroded	B	—	—
SaD	Salmon very fine sandy loam, 15 to 25 percent slopes	B	—	—
SaD2	Salmon very fine sandy loam, 15 to 25 percent slopes, eroded	B	—	—
SaE2	Salmon very fine sandy loam, 25 to 50 percent slopes, eroded	B	—	—
SdC	Salmon variant-Salmon very fine sandy loams, rocky, 8 to 15 percent slopes	C	—	—
SdD	Salmon variant-Salmon very fine sandy loams, rocky, 15 to 25 percent slopes	C	—	—
SdE	Salmon variant-Salmon very fine sandy loams, rocky, 25 to 50 percent slopes	C	—	—
SeD	Scantic variant bouldery silt loam, 8 to 25 percent slopes	C/D	—	—
SeE	Scantic variant bouldery silt loam, 25 to 50 percent slopes	C/D	—	—

Hydrologic Soil Group— Summary by Map Unit — Lamoille County, Vermont (VT015)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Sr	Searsport muck	A/D	—	—
StC	Stratton-Londonderry complex, 8 to 25 percent slopes	D	—	—
SwA	Swanville silt loam, 0 to 3 percent slopes	C/D	—	—
Te	Teel silt loam	B/D	—	—
TuB	Tunbridge-Lyman complex, 3 to 8 percent slopes, rocky	C	—	—
TuC	Tunbridge-Lyman complex, 8 to 15 percent slopes, rocky	C	—	—
TuD	Tunbridge-Lyman complex, 15 to 25 percent slopes, very rocky	C	—	—
TuE	Tunbridge-Lyman complex, 25 to 60 percent slopes, very rocky	C	—	—
Ud	Udfluvents, frequently flooded	A	—	—
W	Water		—	—
WaA	Walpole fine sandy loam, 0 to 6 percent slopes	A/D	—	—
Totals for Area of Interest			296,400.1	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher